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What is claimed is:

- 1. An isolated polypeptide comprising:
- a) an amino acid sequence selected from the group consisting of SEQ ID NO:1-2,
- b) a naturally occurring amino acid sequence having at least 90% sequence identity to an amino acid sequence selected from the group consisting of SEQ ID NO:1-2,
 - c) a biologically active fragment of an amino acid sequence selected from the group consisting of SEQ ID NO:1-2, or
- d) an immunogenic fragment of an amino acid sequence selected from the group consisting of SEQ ID NO:1-2.
 - 2. An isolated polypeptide of claim 1, having an amino acid sequence selected from the group consisting of SEQ ID NO:1-2.
 - 3. An isolated polynucleotide encoding a polypeptide of claim 1.
 - 4. An isolated polynucleotide of claim 3, having a sequence selected from the group consisting of SEQ ID NO:3-4.
- 5. A recombinant polynucleotide comprising a promoter sequence operably linked to a polynucleotide of claim 3.
 - 6. A cell transformed with a recombinant polynucleotide of claim 5.
- 7. A transgenic organism comprising a polynucleotide of claim 5.
 - 8. A method for producing a polypeptide of claim 1, the method comprising:
 - a) culturing a cell under conditions suitable for expression of the polypeptide, wherein said cell is transformed with a recombinant polynucleotide, and said recombinant polynucleotide comprises a promoter sequence operably linked to a polynucleotide encoding the polypeptide of claim 1, and
 - b) recovering the polypeptide so expressed.
 - 9. An isolated antibody which specifically binds to a polypeptide of claim 1.

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- 10. An isolated polynucleotide comprising:
- a) a polynucleotide sequence selected from the group consisting of SEQ ID NO:3-4,
- b) a naturally occurring polynucleotide sequence having at least 70% sequence identity to a polynucleotide sequence selected from the group consisting of SEQ ID NO:3-4,
 - c) a polynucleotide sequence complementary to a), or
 - d) a polynucleotide sequence complementary to b).
- 11. An isolated polynucleotide comprising at least 60 contiguous nucleotides of a polynucleotide of claim 10.
- 12. A method for detecting a target polynucleotide in a sample, said target polynucleotide having a sequence of a polynucleotide of claim 10, the method comprising:
- a) hybridizing the sample with a probe comprising at least 16 contiguous nucleotides comprising a sequence complementary to said target polynucleotide in the sample, and which probe specifically hybridizes to said target polynucleotide, under conditions whereby a hybridization complex is formed between said probe and said target polynucleotide, and
- b) detecting the presence or absence of said hybridization complex, and, optionally, if present, the amount thereof.
 - 13. A method of claim 12, wherein the probe comprises at least 30 contiguous nucleotides.
 - 14. A method of claim 12, wherein the probe comprises at least 60 contiguous nucleotides.
- 15. A pharmaceutical composition comprising an effective amount of a polypeptide of claim

 25 l and a pharmaceutically acceptable excipient.
 - 16. A method of treating a disease or condition associated with decreased expression of functional CIRYP, comprising administering to a patient in need of such treatment the pharmaceutical composition of claim 15.
 - 17. A method for screening a compound for effectiveness as an agonist of a polypeptide of claim 1, the method comprising:
 - a) exposing a sample comprising a polypeptide of claim 1 to a compound, and
 - b) detecting agonist activity in the sample.

- 18. A pharmaceutical composition comprising an agonist compound identified by a method of claim 17 and a pharmaceutically acceptable excipient.
- 19. A method of treating a disease or condition associated with decreased expression of functional CIRYP, comprising administering to a patient in need of such treatment a pharmaceutical composition of claim 18.
 - 20. A method for screening a compound for effectiveness as an antagonist of a polypeptide of claim 1, the method comprising:
 - a) exposing a sample comprising a polypeptide of claim 1 to a compound, and
 - b) detecting antagonist activity in the sample.
 - 21. A pharmaceutical composition comprising an antagonist compound identified by a method of claim 20 and a pharmaceutically acceptable excipient.
 - 22. A method for treating a disease or condition associated with overexpression of functional CIRYP, comprising administering to a patient in need of such treatment a pharmaceutical composition of claim 21.
- 23. A method for screening a compound for effectiveness in altering expression of a target polynucleotide, wherein said target polynucleotide comprises a sequence of claim 4, the method comprising:
 - a) exposing a sample comprising the target polynucleotide to a compound, and
 - b) detecting altered expression of the target polynucleotide.

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